Refine Search

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Search Results -

Terms	Documents
L42 and ((chang$ or SWITCH$) adj2 (zon$ or region$ or AREA$ or site))	1

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L44

[Refine Search]

[Recall Text] [Clear] [Interrupt]

Search History

DATE: **Saturday, February 03, 2007**   **Purge Queries**   Printable Copy

Create Case

Set Name Query side by side		Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR			

L44	L42 and ((chang$ or SWITCH$) adj2 (zon$ or region$ or AREA$ or site))	1	L44
L43	L42 and ((chang$ or SWITCH$) adj2 (zon$ or region$ or AREA$ or site)) and (701/208 |701/209).ccls.	1	L43
L42	l37 or l38 or l40 or l41	28	L42

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L41	(5067081 | 4570227 | 5448696 | 5293163 | 5297051 | 5278946)![PN]	6	L41

DB=USPT,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR

L40	("5908465"| "EP 766216A")[ABPN1,NRPN,PN]	2	L40

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L39	l35	2	L39
L38	("5908465"| "EP 766216A")[URPN]l35	22	L38

DB=USPT,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR

L37	("5908465"| "EP 766216A")[URPN]	20	L37

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L36	L35 and (switch$ or chang$)	1	L36
L35	5908465.pn.	2	L35
L34	L33 or L30	9	L34
L33	L32 and ((chang$ or SWITCH$) adj2 (zon$ or region$ or AREA$ or site)) and (701/208 |701/209).ccls.	2	L33
L32	L28 or L30 or L31	110	L32

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L31	(5442805	5323152	6169552	4937752	5944768	5588048	5208756	5270708	5635953	6006160	5675492	5452212	5109344	5243528	5802492	4608656	5119301	4663719	5475598	5470233	5513110	5712656	6044321	5594947	5926133	6073075	5652706	5467388	5857155	5519392	5359529	5930713	5955973	4642776	5559511	6058347	5757290	5559707	5901358	5550538	5682525	6009368	5902345	6385529	6202026	6016110	4563685	5502640	6009333	5657231		53	L31

5945949 | 4543572 | 5479476)![PN]

DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L30 ("20020095255"| "6072409"| "6519525"| "6351706"| "6389288"| "4763268"| "6622079"| "6333702"| "6385529")[PN]   9 L30

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L29 L25   9 L29

DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L28 ("20020095255"| "6519525"| "6389288"| "4763268"| "6622079"| "6333702"| "6385529")[URPN]   50 L28

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L27 4763268[uref]   10 L27

L26 6519525[uref]   2 L26

L25 L24 and 701/$.ccls.   9 L25

L24 L23 and ((chang$ or SWITCH$) adj2 (zon$ or region$ or AREA$ or site))   51 L24

L23 L21 or L22   194 L23

L22 navigat$ and map$ and ((chang$ or SWITCH$) WITH SEARCH$ WITH (zon$ or region$ or AREA$ or site)) AND @pD<=20030110   104 L22

L21 navigat$ and map$ and ((chang$ or SWITCH$) WITH SEARCH$ WITH (zon$ or region$ or AREA$ or site)) AND @AD<=20030110   191 L21

L20 L19 AND ((divid$ or SPLIT$) WITH (AREA$ OR ZON$ OR SITE))   23 L20

L19 L6 and map$ 107 L19

DB=EPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR

L18 ep adj 1260791$ 2 L18

L17 ep1260791   0 L17

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L16 L6 AND (DEVID$ WITH (AREA$ OR ZON$ OR   0 L16

	SITE))		
L15	L6 AND (SPLIT$ WITH (AREA$ OR ZON$ OR SITE))	6	L15
L14	L6 AND (DEVID$ WITH (AREA$ OR ZON$ OR SITE))	0	L14
L13	L11 AND (DEVID$ WITH (AREA$ OR ZON$ OR SITE))	0	L13
L12	L11 AND (SPLIT$ WITH (AREA$ OR ZON$ OR SITE))	2	L12
L11	L6 AND MAP$	107	L11
L10	L9	107	L10
L9	L6 AND MAP$8	107	L9
L8	L7 AND SEARCH$ WITH AREA$	1	L8
L7	6622085.PN.	2	L7
L6	SWITCH$ WITH SEARCH$ WITH AREA$ AND @AD<=20030110	433	L6
L5	L4 AND MAP$	5	L5
L4	L3 OR L2	36	L4
L3	L1 AND @PD<=20030110	29	L3
L2	L1 AND @AD<=20030110	32	L2
L1	AUTOMATIC$ WITH SWITCH$ WITH SEARCH$ WITH AREA$	41	L1

END OF SEARCH HISTORY

First Hit   Fwd Refs   Previous Doc   Next Doc   Go to Doc#
End of Result Set

☐ [Generate Collection]   [Print]

L43: Entry 1 of 1   File: USPT   Feb 12, 2002

US-PAT-NO: 6347280
DOCUMENT-IDENTIFIER: US 6347280 B1

TITLE: Navigation system and a memory medium in which programs are stored

DATE-ISSUED: February 12, 2002

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Inoue; Koji	Okazaki			JP
Sakai; Tomoaki	Okazaki			JP

ASSIGNEE-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Aisin AW Co., Ltd.	Anjo			JP	03

APPL-NO: 09/644099   [PALM]
DATE FILED: August 23, 2000

FOREIGN-APPL-PRIORITY-DATA:
COUNTRY	APPL-NO	APPL-DATE
JP	11-235022	August 23, 1999
JP	11-235023	August 23, 1999
JP	11-235024	August 23, 1999

INT-CL-ISSUED: [07] G01C 21/00, G01C 22/00, G01S 5/00, G01S 11/00, G06F 7/00,
G06F 17/00, G06F 19/00, G06F 165/00

INT-CL-CURRENT:
TYPE	IPC			DATE
CIPS	G01	C	21/34	20060101
CIPS	G01	C	21/36	20060101
CIPS	G09	B	29/10	20060101

US-CL-ISSUED: 701/211; 701/200.210-, 701/212.215-, 340/990, 340/995, 340/988,
340/910, 364/436, 364/438, 364/565, 364/449, 364/443, 342/451, 342/452, 345/123,
345/125, 345/121, 345/122
US-CL-CURRENT: 701/211; 340/910, 340/988, 340/990, 340/995.2, 342/451, 342/452,
701/200, 701/201, 701/202, 701/203, 701/204, 701/205, 701/206, 701/207, 701/208,
701/209, 701/210, 701/212, 701/213, 701/214, 701/215

FIELD-OF-CLASSIFICATION-SEARCH: 701/200-215, 340/990, 340/995, 340/988, 340/910,

364/436, 364/438, 364/565, 364/449, 364/443, 342/451, 342/452, 345/123, 345/125,
345/121, 345/122
See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

    Search Selected | Search ALL | Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5648904	July 1997	Scott	364/436
☐	5908465	June 1999	Ito et al.	701/211
☐	5928308	July 1999	Nanba et al.	701/211
☐	5938718	August 1999	Morimoto et al.	701/201

ART-UNIT: 3661

PRIMARY-EXAMINER: Cuchlinski, Jr.; Willam A.

ASSISTANT-EXAMINER: Mancho; Ronnie

ATTY-AGENT-FIRM: Oliff & Berridge PLC

ABSTRACT:

A navigation system that provides guidance information if more than three guide
intersections are successively located adjacent each other. The vehicle navigation
system's guidance information output is controlled on the basis of the successive
relationships between respective intersections and is stored as programs in a
memory medium.

14 Claims, 24 Drawing figures

☐ [Generate Collection] [Print]

L43: Entry 1 of 1   File: USPT   Feb 12, 2002

DOCUMENT-IDENTIFIER: US 6347280 B1
TITLE: Navigation system and a memory medium in which programs are stored

Detailed Description Text (58):
Although the condition of the expressway in the United States is described in the
above examples, it is understood that the invention is not limited to these
embodiments and further it is applicable to all cases in which called road names
are changed according to areas. It is described by using two areas AAA and BBB in
the above example, needless to say it is applicable to more than three areas.

Current US Cross Reference Classification (15):
701/208

Current US Cross Reference Classification (16):
701/209

US Reference Patent Number (2):
5908465

10/718/670

Hit List

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs |

| Generate OACS |

Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1.   Document ID: US 5908465 A

L35: Entry 1 of 2   File: USPT   Jun 1, 1999

US-PAT-NO: <u>5908465</u>
DOCUMENT-IDENTIFIER: US 5908465 A

TITLE: Navigation system for displaying a structure-shape map

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 2.   Document ID: EP 766216 A1, JP 09152830 A, JP 09152832 A, JP 09185799 A, JP 09292258 A, KR 97002801 A, US 5908465 A, JP 2982716 B2, JP 11352878 A, KR 183524 B1, JP 3173371 B2, EP 766216 B1, DE 69627442 E

L35: Entry 2 of 2   File: DWPI   Apr 2, 1997

DERWENT-ACC-NO: 1997-195124
DERWENT-WEEK: 200349
COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Car navigation system for providing road guidance by displaying map -
decides display modes such as colours, densities and patterns on basis of
information belonging to structures to be displayed

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |

Terms	Documents
5908465.pn.	2

Display Format: |-_____| [Change Format]

<u>Previous Page</u>   <u>Next Page</u>   <u>Go to Doc#</u>

First Hit   Fwd Refs   Previous Doc   Next Doc   Go to Doc#

☐   Generate Collection   Print

L35: Entry 1 of 2   File: USPT   Jun 1, 1999

US-PAT-NO: 5908465
DOCUMENT-IDENTIFIER: US 5908465 A

TITLE: Navigation system for displaying a structure-shape map

DATE-ISSUED: June 1, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ito; Yasunobu	Anjo			JP
Nimura; Mitsuhiro	Anjo			JP
Hayashi; Seiji	Anjo			JP

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Aisin AW Co., Ltd.	Anjo			JP	03

APPL-NO: 08/721199   [PALM]
DATE FILED: September 27, 1996

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	7-249227	September 27, 1995
JP	7-249969	September 27, 1995
JP	7-282738	October 31, 1995
JP	8-108147	April 26, 1996

INT-CL-ISSUED: [06] G01C 21/00, G08G 1/09

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	G08 G 1/0969	20060101
CIPS	G01 C 21/36	20060101
CIPS	G01 C 21/34	20060101

US-CL-ISSUED: 701/211; 340/995
US-CL-CURRENT: 701/211; 340/995.27

FIELD-OF-CLASSIFICATION-SEARCH: 701/201, 701/208, 701/211, 340/995
See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected]   [Search ALL]   [Clear]

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4570227	February 1986	Tachi et al.	364/444
☐	5067081	November 1991	Person	364/444
☐	5278946	January 1994	Shimada et al.	395/62
☐	5293163	March 1994	Kakihara et al.	340/995
☐	5297051	March 1994	Arakawa et al.	364/449
☐	5448696	September 1995	Shimada et al.	395/161

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
A-579-451	January 1994	EP	
A-37-44-533	July 1989	DE	
A-42-19-171	January 1993	DE	

OTHER PUBLICATIONS

Proceedings of the Vehicle Navigation and Information Systems Conference.. Sep. 11-13, 1989, "GDF, A Proposed Standard for Digital Road Maps to be Used in Car navigation Systems".

ART-UNIT: 361

PRIMARY-EXAMINER: Zanelli; Michael

ATTY-AGENT-FIRM: Oliff & Berridge, PLC

ABSTRACT:

Road or other guidance is provided by displaying a structure-shape map showing building shapes and roads. Drawing of building shapes on the map is restricted according to a specific condition, e.g. the travel condition of the vehicle, or the screen scroll mode, by setting the display color for building shapes to the same color as that for a background, or by not drawing any of them, thereby preventing the screen from becoming difficult to see even during scrolling. For the structure-shape map, a storage device (3) stores map data having a name and a coordinate string for each shape of various structures and information belonging to each structure. A guidance controller (4) decides colors, color densities, patterns thereof, etc. for shapes as display modes on the basis of information belonging to the structures, e.g. the classification and height of each structure, and other detailed information (e.g. scale of construction), retrieves information belonging to a structure concerned, together with information regarding surroundings, and displays, on a display (12), shapes and names according to the decided display modes, thereby giving guidance. The structure-shape map may be displayed centered on a structure having a telephone number retrieved by entry of the telephone

First Hit   Previous Doc   Next Doc   Go to Doc#
End of Result Set

☐ [Generate Collection]   [Print]

L35: Entry 2 of 2   File: DWPI   Apr 2, 1997

DERWENT-ACC-NO: 1997-195124
DERWENT-WEEK: 200349
COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Car navigation system for providing road guidance by displaying map -
decides display modes such as colours, densities and patterns on basis of
information belonging to structures to be displayed

INVENTOR: HAYASHI, S; ITO, Y ; NIMURA, M

PATENT-ASSIGNEE: AISIN AW CO LTD (AISW), AISHN AW CO LTD (AISW)

PRIORITY-DATA: 1996JP-0108147 (April 26, 1996), 1995JP-0249227 (September 27,
1995), 1995JP-0249969 (September 27, 1995), 1995JP-0282738 (October 31, 1995),
1999JP-0128391 (October 31, 1996)

[Search Selected]   [Search ALL]   [Clear]

PATENT-FAMILY:

	PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
☐	EP 766216 A1	April 2, 1997	E	043	G08G001/0969
☐	JP 09152830 A	June 10, 1997		017	G09B029/00·
☐	JP 09152832 A	June 10, 1997		015	G09B029/00
☐	JP 09185799 A	July 15, 1997		015	G08G001/0969
☐	JP 09292258 A	November 11, 1997		018	G01C021/00
☐	KR 97002801 A	January 28, 1997		000	G08G001/0969
☐	US 5908465 A	June 1, 1999		000	G01C021/00
☐	JP 2982716 B2	November 29, 1999		016	G08G001/0969
☐	JP 11352878 A	December 24, 1999		014	G09B029/0.0
☐	KR 183524 B1	April 15, 1999		000	G08G001/0969
☐	JP 3173371 B2	June 4, 2001		018	G01C021/00
☐	EP 766216 B1	April 16, 2003	E	000	G08G001/0969
☐	DE 69627442 E	May 22, 2003		000	G08G001/0969

DESIGNATED-STATES: DE FR GB IT DE FR GB IT

CITED-DOCUMENTS:1.Jnl.Ref; DE 3744533 ; DE 4219171 ; EP 579451 ; US 5067081 ; US
5293163

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 766216A1	September 26, 1996	1996EP-0115475	
JP 09152830A	September 27, 1996	1996JP-0255918	
JP 09152832A	September 27, 1996	1996JP-0255919	
JP 09185799A	October 31, 1996	1996JP-0289609	
JP 09292258A	April 26, 1996	1996JP-0108147	
KR 97002801A	September 25, 1996	1996KR-0042253	
US 5908465A	September 27, 1996	1996US-0721199	
JP 2982716B2	October 31, 1996	1996JP-0289609	
JP 2982716B2		JP 9185799	Previous Publ.
JP 11352878A	October 31, 1996	1996JP-0289609	Div ex
JP 11352878A	October 31, 1996	1999JP-0128391	
KR 183524B1	September 25, 1996	1996KR-0042253	
JP 3173371B2	April 26, 1996	1996JP-0108147	
JP 3173371B2		JP 9292258	Previous Publ.
EP 766216B1	September 26, 1996	1996EP-0115475	
EP 766216B1	September 26, 1996	2003EP-0000530	Related to
DE 69627442E	September 26, 1996	1996DE-0627442	
DE 69627442E	September 26, 1996	1996EP-0115475	
DE 69627442E		EP 766216	Based on

INT-CL (IPC): G01C 21/00; G06T 1/00; G08G 1/09; G08G 1/0969; G09B 29/00;
G09B 29/10; G09G 5/36; H04M 11/00

RELATED-ACC-NO: 2003-515358

ABSTRACTED-PUB-NO: EP 766216A
BASIC-ABSTRACT:

The navigation system includes a store which holds guidance information including
building shapes. A display shows the guidance information. A guidance controller
determines which information is displayed. The guidance controller sorts the
information on building shapes in the store on the basis of a given condition. It
also controls displayed information on the basis of the shapes.

The controller restricts drawing of the building shapes by setting a display colour
to a same colour as a background or by not drawing them. The drawing is restricted
when the screen is scrolled. The guidance controller determines a display mode.

USE - For displaying associated telephone numbers and buildings.

ADVANTAGE - Easy to use. Screen information is clear due to not drawing buildings
all the time.

ABSTRACTED-PUB-NO: US 5908465A
EQUIVALENT-ABSTRACTS:

The navigation system includes a store which holds guidance information including
building shapes. A display shows the guidance information. A guidance controller
determines which information is displayed. The guidance controller sorts the
information on building shapes in the store on the basis of a given condition. It

also controls displayed information on the basis of the shapes.

The controller restricts drawing of the building shapes by setting a display colour
to a same colour as a background or by not drawing them. The drawing is restricted
when the screen is scrolled. The guidance controller determines a display mode.

USE - For displaying associated telephone numbers and buildings.

ADVANTAGE - Easy to use. Screen information is clear due to not drawing buildings
all the time.

CHOSEN-DRAWING: Dwg.1/33

DERWENT-CLASS: P85 S02 T01 W06
EPI-CODES: S02-B08; T01-J06B; W06-A08;

Previous Doc   Next Doc   Go to Doc#